Marinator Operation Manual

Franke Model:MR-910A

Produced by Franke for Yum! Restaurants China (YUM!)

Franke (China) Kitchen Systems Co., Ltd.
#318, Yinglang Industrial Park, Shaping Town, Heshan, Guangdong province, China
Tel.: 0750-8418576
Fax: 0750-8415845
E-mail: Wilson.zhao@franke.com
Website: http: //asia.frankefs.com

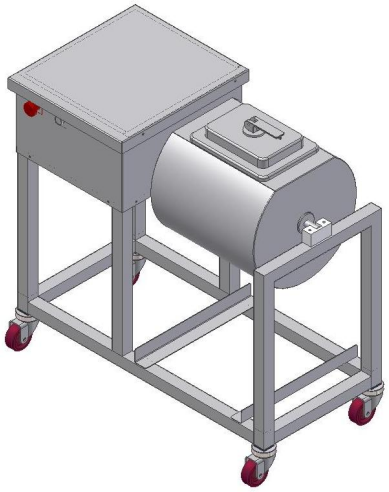


Table of contents

Overview ..... **Page 2**
Specifications ..... **Page 2**
Safety requirements ..... **Page 2**
Installation ..... **Page 2**
Operating procedure ..... **Page 2**
Maintenance ..... **Page 3**
Troubleshooting ..... **Page 3**
Claim ..... **Page 3**
Exploded view ..... **Page 3**
List of parts and components ..... **Page 4**
Circuit diagram ..... **Page 5**

Overview

The Marinator is used for pickling of chicken and pork for food use. Please carefully read the Manual before use.

Specifications

Description	Marinator
Model	MR-910A
Capacity	60pounds (26kg)
Dimension	910 x 470 x 935
Drum speed	35~37rpm
Voltage	220V
Frequency	50Hz
Wattage	250W
Preset cycle	10min.

Safety requirements

- Ensure that input voltage and frequency are as per the rating on the nameplate.
- Special three pronged outlets with ground wire are only permitted. (ground wire is not permitted to be mounted on tap water line or gas line)
- Inflammable, explosive and corrosive substances are not allowed around the Marinator.
- Work on electrical appliance with wet hands is prohibited.
- Please stay away from the rotating parts of Marinator during operation.

Installation

- Manually move the dump station to the designated position.
- Press the brake pedal for two rotor wheels.

Operating procedure

- Open the pickling drum to load with chickens and ingredients to be pickled, not exceeding 60 pounds (26kg). If more than the limit, the torque limiter may slip, leading to the misoperation of the Marinator.
- Close the drum by putting in place the sealing ring and turning the handle.
- Push the green button on the panel to start operation of the Marinator drum. In case of upset, push the red emergency button.
- The Marinator will automatically come to a stop when presetting time (10min.) is reached. Move the drum to an appropriate place to open the drum and put the chickens to a pickling pan. Switch off the Marinator at the end of the day. Fully unload the pickling drum and clean the Marinator. Make sure that electrical system shall not come in contact with water.
- If torque limiter slips, request the trained technician for replacement. The torque is preset at 14Nm prior to delivery.

Note: torque limiter and time relay have been appropriately set. Only authorized technicians are allowed for any changes.

Maintenance

- Lubricate the bearing, chain and sprocket every 3 months. Renew the gear transmission oil every 3 years. Recommend use of molybdenum disulfide, to be charged via vent.
- Remove oil contaminant off the equipment surface with rag of fine fabric.

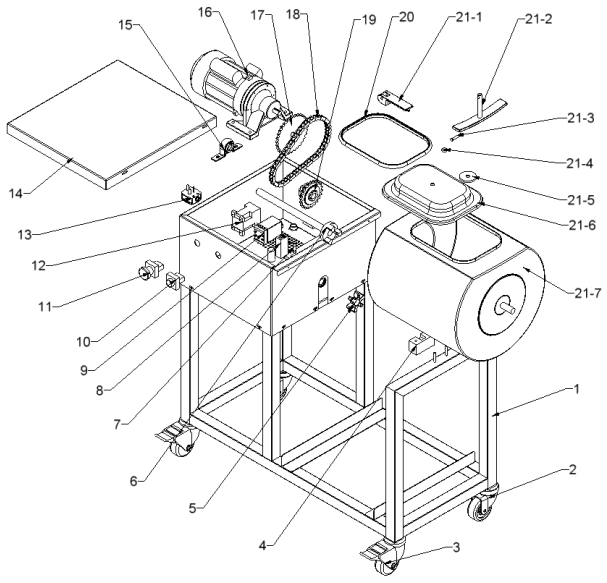
Troubleshooting

Symptoms	Possible causes	Solutions
Power off	1. Fuse broken	1. Replace fuse
	2. Improper contact of plug with socket	2. Repair or replace
	3. Input control circuit fails	3. Check with instrument
Motor not working	1. Motor breakdown	1. Repair or replace
	2. Improper contact of wire	2. Check and rewire
	3. Voltage too low	3. Use voltage regulator
Noise	1. Transmission gear loosened or damaged	1. Repair or replace
	2. Chain unsecured	2. Adjust
	3. Bearing worn	3. Replace
	4. Screw loosened	4. Tighten screw
	5 Moving parts not properly lubricated	5. Lubricate
Torque limiter slips	1. Torque limiter unsecured	1. Adjust or replace
	2. Overloading	2. Reduce load

Claim

Please see the list on price of parts and components for warranted parts, price and warranty period. The warranty period is valid since the date of installation.

Exploded view



List of parts

ITEM	P/N	Part name	Unit	Qâty
1	61006585	Body	EA	1
2	61005971	3" Caster, Swivel Insert, w/o Brake	EA	2
3	61005972	3" Caster, Swivel Insert, w/Brake	EA	2
4	4403409	Shaft Support Block, CF4 f/Tumbler	EA	1
5	4403408	CEC Coupling, f/Tumbler	EA	1
6	61005965	Shaft, S/S, 19mmDia.x326mmL	EA	1
7	4403422	Fuse 2A f/Tumbler	EA	1
8	4403420	Fuse Seat, RT 14-20	EA	1
9	61005842	CKC Timer Relay w/Base, 30 Minutes	EA	1
10	4107105	Push Button Switch,~220V/5A,Green	EA	1
11	4107107	Halt Button Switch f/Tumbler,	EA	1
12	4107103	Contactor,CJX8-9-30-01,Ui660V,Ith16A	EA	1
13	27003262	Plug,3 Poles,CLIPSAL,EP16CS,16A/250V	EA	1
14	61005483	Top Cover	EA	1
15	61006717	Bearing,Pillow Block,w/Housing,UC204	EA	2
16	4403410	Reduction Motor, 250W f/Tumbler	EA	1
17	61006702	Sprocket, Direct Motor	EA	1
18	61006703	Chain f/Marinator,08B-1-23	EA	1
19	61006701	Torque Limiter w/ Sprocket	EA	1
20	61006704	Silicon O-ring f/Marinaor	EA	2
21	61005985	Tumbler Tank w/Lid & Spider(f/KFC)	EA	1
21-1	61006711	Handle f/The Cover of Marinator	EA	1
21-2	61006715	T-shape Plug	EA	1
21-3	61006710	handle spindle,f/Cover of Marinator	EA	1
21-4	61006712	Plastic Washer	EA	1
21-5	61006713	Small o-ring f/The Cover of	EA	1
21-6	61006714	Cover f/Marinator	EA	1
21-7	61006716	61006716	EA	1

List of warranty parts

Item	P/N	Part name	Unit	Warranty Period
1	61005971	3" Caster, Swivel Insert, w/o Brake	EA	1Year
2	61005972	3" Caster, Swivel Insert, w/Brake	EA	1Year
3	4107105	Push Button Switch,~220V/5A,Green	EA	1Year
4	4107107	Halt Button Switch f/Tumbler,	EA	1Year
5	61005842	CKC Timer Relay w/Base, 30 Minutes	EA	1Year
6	4107103	Contactor,CJX8-9-30-01,Ui660V,Ith16A	EA	1Year
7	4403410	Reduction Motor, 250W f/Tumbler	EA	1Year

Circuit diagram